UNITED STATES DEPARTMENT OF COMMERCE
National Telecommunications and Information Administration
Washington, D.C. 20230

MAR 17 2010

Ms. Mindel De La Torre
Chief of the International Bureau
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Ms. De La Torre:

The National Telecommunications and Information Administration (NTIA) on behalf of the Executive Branch agencies, approves the release of a draft Executive Branch proposal for WRC-12 agenda item 1.9. NTIA proposes modifications to Appendix 17 of the *Radio Regulations*, along with other changes, that would provide HF frequencies for new digital technologies in the maritime mobile service.

NTIA considered the Federal agencies' input toward the development of U.S. proposals for WRC-12. NTIA forwards this package for consideration and review by your WRC-12 Advisory Committee. Dr. Darlene Drazenovich is the primary contact from my staff.

Sincerely,

Karl B. Nebbia
Associate Administrator
Office of Spectrum Management

UNITED STATES OF AMERICA
DRAFT PROPOSALS FOR THE WORK OF THE CONFERENCE

Agenda Item 1.9: to revise frequencies and channelling arrangements of Appendix **17** to the Radio Regulations, in accordance with Resolution **351 (Rev.WRC-07)**, in order to implement new digital technologies for the maritime mobile service

Background Information: The introduction of new data exchange technologies[1] in the HF maritime mobile service is providing an alternative to narrow-band direct printing (NBDP) technology. According to the International Maritime Organization, current NBDP applications include maritime safety information (MSI) broadcasts, ship reporting, weather forecasts and business communications (e.g. fishing fleets). Since alternative data communication technologies for these functions are available, NBDP equipment use is in rapid decline. However, NBDP telegraphy remains essential for distress communications in the polar regions (sea area A4) where geostationary satellites cannot provide coverage and other terrestrial means of communication are unreliable.

The global maritime community intends to improve efficiency and flexibility in the HF maritime mobile service spectrum by designating certain assignable frequencies in Appendix **17** to data transmissions using new data exchange technologies. This proposal would:

1) significantly reduce the number of NBDP frequencies to those actually used for NBDP telegraphy and the GMDSS/NBDP core frequencies (Appendix **15**);
2) allow for the use of the current NBDP bands for digital data transmissions, subject to not claiming protection from nor causing harmful interference to other stations in the maritime mobile service using NBDP technology until December 31, 2014;
3) make new digital data transmissions primary in the current NBDP bands effective January 1, 2015, though stations could use NBDP technology subject to not claiming protection from nor causing harmful interference to stations in the maritime mobile service using digital data transmissions;
4) re-designate the frequencies currently assignable to stations using facsimile, wide-band telegraphy and Morse telegraphy A1A/A1B to stations using data transmission without a transition period;
5) neither specify nor limit the bandwidth of new digital transmissions;
6) allow stations using wide-band telegraphy or Morse telegraphy A1A/A1B to continue on their currently assigned frequencies subject to not claiming protection from nor causing harmful interference to stations in the maritime mobile service using digital data transmissions;
7) not modify Appendix **25** radiotelephony bands, but would allow for the use of digital data transmissions in the radiotelephony bands in accordance with the Appendix **25** allotment plan; and

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[1] See Recommendation ITU-R M.1798 *Characteristics of HF radio equipment for the exchange of digital data and electronic mail in the maritime mobile service*

8) provide some flexibility to administrations in portions of the bands 4 MHz, 6 MHz and 8 MHz to assign new simplex radiotelephony frequencies in accordance with No. **52.177**, subject to not claiming protection from stations in the maritime mobile service using digital data transmissions.

Proposal:

MOD USA/AI 1.9/1

APPENDIX 17 (REV.WRC-~~03~~12)

Frequencies and channelling arrangements in the high-frequency bands for the maritime mobile service

(See Article **52**)

PART A – Table of subdivided bands (WRC-~~03~~12)

In the Table, where appropriate[1], the assignable frequencies in a given band for each usage are:

- indicated by the lowest and highest frequency, in heavy type, assigned in that band;
- regularly spaced, the number of assignable frequencies (*f.*) and the spacing in kHz being indicated in italics.

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service

Band (MHz)	**4**	**6**	**8**	**12**	**16**	**18/19**	**22**	**25/26**
Limits (kHz)	4 063	6 200	8 195	12 230	16 360	18 780	22 000	25 070
Frequencies assignable to ship stations for oceanographic data transmission *c)*	**4 063.3** to **4 064.8** *6 f. 0.3 kHz*							
Limits (kHz)	4 065	6 200	8 195	12 230	16 360	18 780	22 000	25 070
Frequencies assignable to ship stations for telephony, duplex operation *a) i) hh)*	**4 066.4** to **4 144.4** *27 f. 3 kHz*	**6 201.4** to **6 222.4** *8 f. 3 kHz*	**8 196.4** to **8 292.4** *33 f. 3 kHz*	**12 231.4** to **12 351.4** *41 f. 3 kHz*	**16 361.4** to **16 526.4** *56 f. 3 kHz*	**18 781.4** to **18 823.4** *15 f. 3 kHz*	**22 001.4** to **22 157.4** *53 f. 3 kHz*	**25 071.4** to **25 098.4** *10 f. 3 kHz*
Limits (kHz)	4 146	6 224	8 294	12 353	16 528	18 825	22 159	25 100

1 Within the non-shaded boxes.

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service (*continued*)

Band (MHz)	4	6	8	12	16	18/19	22	25/26
Limits (kHz)	4 146	6 224	8 294	12 353	16 528	18 825	22 159	25 100
Frequencies assignable to ship stations and coast stations for telephony, simplex operation *a) hh)*	**4 147.4** to **4 150.4** *2 f. 3 kHz*	**6 225.4** to **6 231.4** *3 f. 3 kHz*	**8 295.4** to **8 298.4** *2 f. 3 kHz*	**12 354.4** to **12 366.4** *5 f. 3 kHz*	**16 529.4** to **16 547.4** *7 f. 3 kHz*	**18 826.4** to **18 844.4** *7 f. 3 kHz*	**22 160.4** to **22 178.4** *7 f. 3 kHz*	**25 101.4** to **25 119.4** *7 f. 3 kHz*
Limits (kHz)	4 152	6 233	8 300	12 368	16 549	18 846	22 180	25 121
~~Frequencies assignable to ship stations for wide-band telegraphy, facsimile and special transmission systems~~ Frequencies assignable to ship stations for data transmission *p) ee)*	~~**4 154** to **4 170** *5 f. 4 kHz*~~	~~**6 235** to **6 259** *7 f. 4 kHz*~~	~~**8 302** to **8 338** *10 f. 4 kHz*~~	~~**12 370** to **12 418** *13 f. 4 kHz*~~	~~**16 551** to **16 615** *17 f. 4 kHz*~~	~~**18 848** to **18 868** *6 f. 4 kHz*~~	~~**22 182** to **22 238** *15 f. 4 kHz*~~	~~**25 123** to **25 159** *10 f. 4 kHz*~~
Limits (kHz)	4 172	6 261	8 340	12 420	16 617	18 870	22 240	25 161.25
Frequencies assignable to ship stations for oceanographic data transmission *c) p)*		~~**6 261.3** to **6 262.5** *5 f. 0.3 kHz*~~	~~**8 340.3** to **8 341.5** *5 f. 0.3 kHz*~~	~~**12 420.3** to **12 421.5** *5 f. 0.3 kHz*~~	~~**16 617.3** to **16 618.5** *5 f. 0.3 kHz*~~		~~**22 240.3** to **22 241.5** *5 f. 0.3 kHz*~~	
Limits (kHz)	4 172	6 262.75	8 341.75	12 421.75	16 618.75	18 870	22 241.75	25 161.25
Frequencies assignable to ship stations for data transmission *d) p) aa) bb) cc)*								
Limits (kHz)	4 175.25	6 266.25	8 341.75	12 421.75	16 618.75	18 870	22 241.75	25 161.25
Frequencies (paired) assignable to ship stations for narrow-band direct-printing (NBDP) telegraphy and data transmission systems at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK *d) j) ~~m) p)~~*	**4 17~~2.56~~** to **4 18~~1.578~~** *~~185~~ f. 0.5 kHz*	**6 26~~36~~.5** to **6 ~~275.5~~68.5** *~~25~~ f. 0.5 kHz*						
Limits (kHz)	4 178.25	6 268.75	8 341.75	12 421.75	16 618.75	18 870	22 241.75	25 161.25
Frequencies assignable to ship stations for data transmission *d) p) aa) bb) cc)*								

Limits (kHz)	4 181.75	6 275.75	8 341.75	12 421.75	16 618.75	18 870	22 241.75	25 161.25

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service (*continued*)

Band (MHz)	4	6	8	12	16	18/19	22	25/26
Limits (kHz)	4 181.75	6 275.75	8 341.75	12 421.75	16 618.75	18 870	22 241.75	25 161.25
~~Calling frequencies assignable to ship stations for A1A or A1B Morse telegraphy~~ Frequencies assignable to ship stations for data transmission ~~*g) p)*~~ *m)*								
Limits (kHz)	4 186.75	6 280.75	8 341.75	12 421.75	16 618.75	18 870	22 241.75	25 161.25
~~Frequencies (paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK~~ Frequencies assignable to ship stations for data transmission *d) ~~m)~~ p) aa) bb) cc)*		~~6 281 to 6 284.5~~ *~~8 f. 0.5 kHz~~*						
Limits (kHz)	4 186.75	6 284.75	8 341.75	12 421.75	16 618.75	18 870	22 241.75	25 161.25
~~Working frequencies assignable to ship stations for A1A or A1B Morse telegraphy~~ *~~c) f)~~* Frequencies assignable to ship stations for data transmission *m) p)*	~~4 187 to 4 202~~ *~~31 f. 0.5 kHz~~*	~~6 285 to 6 300~~ *~~31 f. 0.5 kHz~~*	~~8 342 to 8 365.5~~ *~~48 f. 0.5 kHz~~*	~~12 422 to 12 476.5~~ *~~110 f. 0.5 kHz~~*	~~16 619 to 16 683~~ *~~129 f. 0.5 kHz~~*		~~22 242 to 22 279~~ *~~75 f. 0.5 kHz~~*	~~25 161.5 to 25 171~~ *~~20 f. 0.5 kHz~~*
Limits (kHz)	4 202.25	6 300.25	8 365.75	12 476.75	16 683.25	18 870	22 279.25	25 171.25
~~Calling frequencies assignable to ship stations for A1A or A1B Morse telegraphy~~ Frequencies assignable to ship stations for data transmission ~~*g) p)*~~ *m)*								
Limits (kHz)	4 202.25	6 300.25	8 370.75	12 476.75	16 683.25	18 870	22 284.25	25 172.75
~~Working frequencies assignable to ship stations for A1A or A1B Morse telegraphy~~ Frequencies assignable to ship stations for data transmission ~~*e) f)*~~ *p) m)*			~~8 371 to 8 376~~ *~~11 f. 0.5 kHz~~*					

Limits (kHz)	4 202.25	6 300.25	8 376.25	12 476.75	16 683.25	18 870	22 284.25	25 172.75

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service (*continued*))

Band (MHz)	**4**	**6**	**8**	**12**	**16**	**18/19**	**22**	**25/26**
Limits (kHz)	4 202.25	6 300.25	8 376.25	12 476.75	16 683.25	18 870	22 284.25	25 172.75
Frequencies (paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding 100 bauds for FSK and 200 bauds for PSK *d) j) ~~m) p)~~*			**8 376.5** to **8 39678.5** *~~40~~5 f. 0.5 kHz*	~~**12 477** to **12 549.5** *146 f. 0.5 kHz*~~	~~**16 683.5** to **16 733.5** *101 f. 0.5 kHz*~~	~~**18 870.5** to **18 892.5** *45 f. 0.5 kHz*~~	~~**22 284.5** to **22 351.5** *135 f. 0.5 kHz*~~	~~**25 173** to **25 192.5** *40 f. 0.5 kHz*~~
Limits (kHz)	4 202.25	6 300.25	8 378.75	12 476.75	16 683.25	18 870	22 284.25	25 172.75
Frequencies assignable to ship stations for data transmission *d) p) aa) bb) cc)*								
Limits (kHz)	4 202.25	6 300.25	8 396.25	12 517.25	16 693.25	18 892.75	22 351.75	25 192.75
Frequencies (paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding 100 bauds for FSK and 200 bauds for PSK *d) j)*				**12 517.5** to **12 522** *10 f. 0.5 kHz*	**16 693.5** to **16 696.5** *7 f. 0.5 kHz*			
Limits (kHz)	4 202.25	6 300.25	8 396.25	12 522.25	16 696.75	18 892.75	22 351.75	25 192.75
Frequencies assignable to ship stations for data transmission *d) p) aa) bb) cc)*								
Limits (kHz)	4 202.25	6 300.25	8 396.25	12 549.75	16 733.75	18 892.75	22 351.75	25 192.75
~~Calling frequencies assignable to ship stations for A1A or A1B Morse telegraphyg)~~Frequencies assignable to ship stations for data transmission *m) p)*								
Limits (kHz)	4 202.25	6 300.25	8 396.25	12 554.75	16 738.75	18 892.75	22 351.75	25 192.75
~~Frequencies (paired) assignable to ship stations for NBDP telegraphy and data transmission systems at speeds not exceeding~~				~~**12 555** to **12 559.5** *10 f.*~~	~~**16 739** to **16 784.5** *92 f.*~~			

~~100 bauds for FSK and 200 bauds for PSK~~ Frequencies assignable to ship stations for data transmission *aa) bb) cc) d) ~~m)~~ p)*				~~*0.5 kHz*~~	~~*0.5 kHz*~~			
Limits (kHz)	4 202.25	6 300.25	8 396.25	12 559.75	16 784.75	18 892.75	22 351.75	25 192.75

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service (*continued*)

Limits (kHz)	4 202.25	6 300.25	8 396.25	12 559.75	16 784.75	18 892.75	22 351.75	25 192.75
Frequencies (non paired) assignable to ship stations for ~~NBDP telegraphy and~~ data transmission systems ~~at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK and for A1A or A1B Morse telegraphy (working)~~ *b) p) dd) m)*	~~**4 202.5 to 4 207** *10 f. 0.5 kHz*~~	~~**6 300.5 to 6 311.5** *23 f. 0.5 kHz*~~	~~**8 396.5 to 8 414** *36 f. 0.5 kHz*~~	~~**12 560 to 12 576.5** *34 f. 0.5 kHz*~~	~~**16 785 to 16 804** *39 f. 0.5 kHz*~~	~~**18 893 to 18 898** *11 f. 0.5 kHz*~~	~~**22 352 to 22 374** *45 f. 0.5 kHz*~~	~~**25 193 to 25 208** *31 f. 0.5 kHz*~~
Limits (kHz)	4 207.25	6 311.75	8 414.25	12 576.75	16 804.25	18 898.25	22 374.25	25 208.25
Frequencies assignable to ship stations for digital selective calling *k) l)*	**4 207.5 to 4 209** *4 f. 0.5 kHz*	**6 312 to 6 313.5** *4 f. 0.5 kHz*	**8 414.5 to 8 416** *4 f. 0.5 kHz*	**12 577 to 12 578.5** *4 f. 0.5 kHz*	**16 804.5 to 16 806** *4 f. 0.5 kHz*	**18 898.5 to 18 899.5** *3 f. 0.5 kHz*	**22 374.5 to 22 375.5** *3 f. 0.5 kHz*	**25 208.5 to 25 209.5** *3 f. 0.5 kHz*
Limits (kHz)	4 209.25	6 313.75	8 416.25	12 578.75	16 806.25	18 899.75	22 375.75	25 210
Limits (kHz)	4 209.25	6 313.75	8 416.25	12 578.75	16 806.25	19 680.25	22 375.75	26 100.25
Frequencies assignable to coast stations for data transmission *n) o) p) aa) bb) cc)*								
Limits (kHz)	4 213.75	6 317.75	8 416.25	12 619.75	16 816.75	19 703.25	22 443.75	26 120.75
Frequencies (paired) assignable to coast stations for NBDP and data transmission systems, at speeds not exceeding 100 Bd for FSK and 200 Bd for PSK *d) ~~n) o) p)~~*	**4 ~~209.~~514 to 4 ~~219~~15.5** *~~204~~ f. 0.5 kHz*	**6 3148 to 6 ~~330~~19.5** *~~34~~ f. 0.5 kHz*	**8 416.5 to 8 ~~436~~18.5** *~~405~~ f. 0.5 kHz*	**12 ~~579~~620 to ~~12 656.5~~ 12 624** *~~1569~~ f. 0.5 kHz*	**16 ~~806.~~517 to ~~16 902.5~~ 16 819.5** *~~1936~~ f. 0.5 kHz*	~~**19 680.5 to 19 703** *46 f. 0.5 kHz*~~	~~**22 376 to 22 443.5** *136 f. 0.5 kHz*~~	~~**26 100.5 to 26 120.5** *41 f. 0.5 kHz*~~
Limits (kHz)	4 215.75	6 319.75	8 418.75	12 624.25	16 819.75	19 703.25	22 443.75	26 120.75
Frequencies assignable to coast stations for data transmission *d) p) aa) bb) cc)*								

Limits (kHz)	4 219.25	6 330.75	8 436.25	12 656.75	16 902.75	19 703.25	22 443.75	26 120.75
Frequencies assignable to coast stations for digital selective calling *l)*	**4 219.5** to **4 220.5** *3 f. 0.5 kHz*	**6 331** to **6 332** *3 f. 0.5 kHz*	**8 436.5** to **8 437.5** *3 f. 0.5 kHz*	**12 657** to **12 658** *3 f. 0.5 kHz*	**16 903** to **16 904** *3 f. 0.5 kHz*	**19 703.5** to **19 704.5** *3 f. 0.5 kHz*	**22 444** to **22 445** *3 f. 0.5 kHz*	**26 121** to **26 122** *3 f. 0.5 kHz*
Limits (kHz)	4 221	6 332.5	8 438	12 658.5	16 904.5	19 705	22 445.5	26 122.5

Table of frequencies (kHz) to be used in the band between 4 000 kHz and 27 500 kHz allocated exclusively to the maritime mobile service (*end*)

Band (MHz)	**4**	**6**	**8**	**12**	**16**	**18/19**	**22**	**25/26**
Limits (kHz)	4 221	6 332.5	8 438	12 658.5	16 904.5	19 705	22 445.5	26 122.5
Frequencies assignable to coast stations for wide-band ~~and A1A or A1B Morse telegraphy~~, facsimile, special and data transmission systems and direct-printing telegraphy systems *m) p) ee) ff)*								
Limits (kHz)	4 351	6 501	8 707	13 077	17 242	19 755	22 696	26 145
Frequencies assignable to coast stations for telephony, duplex operation *a) hh)*	**4 352.4** to **4 436.4** *29 f. 3 kHz*	**6 502.4** to **6 523.4** *8 f. 3 kHz*	**8 708.4** to **8 813.4** *36 f. 3 kHz*	**13 078.4** to **13 198.4** *41 f. 3 kHz*	**17 243.4** to **17 408.4** *56 f. 3 kHz*	**19 756.4** to **19 798.4** *15 f. 3 kHz*	**22 697.4** to **22 853.4** *53 f. 3 kHz*	**26 146.4** to **26 173.4** *10 f. 3 kHz*
Limits (kHz)	4 438	6 525	8 815	13 200	17 410	19 800	22 855	26 175

NOC USA/AI 1.9/2

Note *a)*

Reasons: Maintains the frequency bands dedicated for the radiotelephony simplex operation.

SUP USA/AI 1.9/3

Note *b)*

Reasons: After the entry into force date of 1 January 2015, Section III, Part B this note will no longer be required.

NOC USA/AI 1.9/4

Note c) and *d)*.

Reasons: Maintains frequencies for transmission of oceanographic data and paired frequencies for NBDP.

SUP USA/AI 1.9/5

Note *e)*

Reasons: Maintains frequencies for ship stations using A1A Morse telegraphy not travelling faster than 40 Bd

SUP USA/AI 1.9/6

Note *f)*

Reasons: Part B, Section V is proposed for suppression.

SUP USA/AI 1.9/7

Note *g)*

Reasons: Part B, Section IV is proposed for suppression.

NOC USA/AI 1.9/8

Note *i)* to *l)*

Reasons: Maintains paired frequencies for digital selective calling.

MOD USA/AI 1.9/9

Note *m)* Frequencies from these frequency bands may also be used for A1A or A1B Morse telegraphy ~~(working) (see Part B, Section II).~~subject to not claiming protection from other stations, using digital technologies, in the maritime mobile service.

Reasons: Assigns additional frequencies for A1A or A1B Morse telegraphy subject to protection of the maritime mobile service using new digital technologies.

NOC USA/AI 1.9/10

Note *n)* and *o)*

Reasons: No change is proposed to frequencies used for maritime safety information (MSI) and Navigational Telex (NAVTEX).

MOD USA/AI 1.9/11

Note *p)* These sub-bands, except the frequencies referred to in Notes *i), j), n)* and *o)*, may be used for digital technologies for maritime mobile service (e.g. as described in

Recommendation ITU-R M.1798)~~the initial testing and the possible future introduction within the maritime mobile service of new digital technologies. Stations using these sub-bands for this purpose shall not cause harmful interference to, and shall not claim protection from, other stations operating in accordance with Article 5~~. No.15.8 applies ~~)~~.

Reasons: Implements the channels for new digital technologies in the frequency bands designated for wide-band telegraphy, and facsimile without transition a period.

ADD USA/AI 1.9/12

Note *aa)* Until 1 January 2015, these bands may be used by narrow-band direct printing applications. The use of these bands by digital data transmission applications is subject to prior agreement between interested and affected administrations to ensure there will be no interference with the narrow-band direct printing applications.

Reasons: Allows for transition period for frequencies employing NBDP to transmission of new digital technologies subject to not causing interference into NBDP.

ADD USA/AI 1.9/13

Note *bb)* After 1 January 2015, these bands may be used by narrow-band direct printing applications by the administrations, subject to not claiming protection from other stations, using digital data transmissions, in the maritime mobile service.

Reasons: Allows for continued use of NBDP after transition date subject to not claiming protection from the maritime mobile service.

ADD USA/AI 1.9/14

Note *cc)* After 1 January 2015, the administrations who make assignments to stations using digital data transmissions are encouraged to effect coordination with potentially affected administrations.

Reasons: Removes the use of single channel NBDP after 1 January 2015 to allow the introduction of new HF data exchange technologies into the maritime mobile service.

ADD USA/AI 1.9/15

Note *dd)* These bands may be used by narrow-band direct printing applications by the administrations, subject to not claiming protection from other stations, using digital data transmissions, in the maritime mobile service.

Reasons: Removes the use of single channel NBDP after 1 January 2015 to allow the introduction of new HF data exchange technologies into the maritime mobile service.

ADD USA/AI 1.9/16

Note *ee)* Frequencies from these bands may be used for wide-band telegraphy, facsimile, A1A Morse telegraphy and special data transmission on condition that harmful interference is not caused to and protection is not claimed from stations, using digital data transmissions, in the maritime mobile service.

Reasons: Removes the use of single channel NBDP after 1 January 2015 to allow the introduction of new HF data exchange technologies into the maritime mobile service.

ADD USA/AI 1.9/17

Note *ff)* The bands 4 345 – 4 351 kHz, 6 495 – 6 501 kHz, 8 701 – 8 707 kHz may be used for simplex (single-sideband) telephone operation (regularly spaced by 3 kHz), in accordance with provision No. **52.177**, subject to not claiming protection from other stations, using digital data transmissions, in the maritime mobile service.

Reasons: Removes the use of single channel NBDP after 1 January 2015 to allow the introduction of new HF data exchange technologies into the maritime mobile service.

ADD USA/AI 1.9/18

Note *gg)* When assigning frequencies on the bands 4 202.25 – 4 207.25 kHz, 6 300.25 – 6 311.75 kHz, 8 396.25 – 8 414.25 kHz, 12 559.75 – 12 576.75 kHz and 16 784.75 – 16 804.25 kHz, administrations shall take all necessary precautions to not cause interference on the DSC distress frequencies 4 207.5 kHz, 6 312 kHz, 8 414.5 kHz, 12.577 kHz and 16 804.5 kHz.

Reasons: Provides protection for DSC distress frequencies.

ADD USA/AI 1.9/19

Note *hh)* The bands 4 066.4 – 4 150.4 kHz, 4 352.4 – 4 436.4 kHz, 6 201.4 – 6 231.4 kHz, 6 502.4 – 6 523.4 kHz, 8 196.4 – 8 298.4 kHz, 8 708.4 – 8 813.4 kHz, 12 231.4 – 12 366.4 kHz, 13 078.4 – 13 198.4 kHz, 16 361.4 – 16574.4 kHz, 17 243.4 – 17 408.4 kHz, 18 781.4 – 18 844.4 kHz,-19 756.4 -19 798.4 kHz, 22 001.4 – 22 178.4 kHz, 22 697.4 – 22 853.4 kHz, 25 071.4 – 25 119.4 kHz, 26 146.4 – 26 173.4 kHz may be used, in accordance with Appendix **25** allotment plan, for digital data transmissions on condition that harmful interference is not caused to and protection is not claimed from other stations, using radiotelephony operations, in the maritime mobile service.

Reasons: Allows additional use for digital data transmissions in the RR Appendix **25** bands.

PART B – Channelling arrangements (WRC-07~~12~~)

Section II – Narrow-band direct-printing telegraphy (paired frequencies)

MOD USA/AI 1.9/20

TABLE 17a

Table of frequencies for two-frequency operation by coast stations (kHz)

Reasons: Providing a table number will help distinguish this table from new the table (17b) that comes into force after January 1, 2015.

NOC USA/AI 1.9/21

Channel No.	4 MHz band[1]		6 MHz band[3]		8 MHz band[4]	
	Transmit	Receive	Transmit	Receive	Transmit	Receive

Reasons: There are no proposed changes to the table (17a).

ADD USA/AI 1.9/22

TABLE 17b (WRC-12)

Table of frequencies for two-frequency operation by coast stations (kHz)

Channel No.	4 MHz band [1]		6 MHz band		8 MHz band	
	Transmit	Receive	Transmit	Receive	Transmit	Receive
1 2 3 4 5					8 376.5 [2] 8 417 8 417.5 8 418 8 418.5	8 376.5 [2] 8 377 8 377.5 8 378 8 378.5
6 7 8 9 10	4 214 4 214.5 4 215	4 176 4 176.5 4 177	6 318 6 318.5 6 319	6 266.5 6 267 6 267.5		
11 12 13	4 177.5 [2] 4 215.5	4 177.5 [2] 4 178	6 268 [2] 6 319.5	6 268 [2] 6 268.5		

[1] Ship stations may use the coast station receiving frequencies for transmitting A1A or A1B Morse telegraphy (working), with the exception of channel No. 11 (see Appendix **15**).

[2] For the conditions of use of this frequency, see Article **31**.

TABLE 17b (end)

Channel No.	12 MHz band		16 MHz band	
	Transmit	Receive	Transmit	Receive
21			16 817	16 693.5
22			16 817.5	16 694
23			16 818	16 694.5
24			16 695 [2]	16 695 [2]
25			16 818.5	16 695.5
26			16 819	16 696
27			16 819.5	16 696.5
82	12 620	12 517.5		
83	12 620.5	12 518		
84	12 621	12 518.5		
85	12 621.5	12 519		
86	12 622	12 519.5		
87	12 520 [2]	12 520 [2]		
88	12 622.5	12 520.5		
89	12 623	12 521		
90	12 623.5	12 521.5		
91	12 624	12 522		

Reasons: New Table 17b allows for introduction of new HF data exchange technologies into the maritime mobile service. Numbering for the other table (17a) in Section II Part B helps distinguish between the two tables in Appendix **17**.

SUP USA/AI 1.9/23

Section III – Narrow-band direct-printing telegraphy (non-paired frequencies)

Reasons: After the entry into force date of 1 January 2015, this section will no longer be needed and will be suppressed. Article **59** references the new Resolution **XYZ.NBDP**, which abrogates this suppression.

SUP USA/AI 1.9/24

Section IV – Morse telegraphy (calling)

Reasons: Removes the use of Morse telegraphy to allow the introduction of new HF data exchange technologies into the maritime mobile service.

SUP USA/AI 1.9/25

Section V – Morse telegraphy (working)

Reasons: Removes the use of Morse telegraphy to allow the introduction of new HF data exchange technologies into the maritime mobile service.

ADD USA/AI 1.9/26

RESOLUTION XYZ.NBDP (WRC-12)

Application and abrogation of certain provisions of the Radio Regulations as revised by WRC-12

The World Radiocommunication Conference (Geneva, 2012),

considering

a) that this conference has adopted a partial revision to the Radio Regulations (RR) in accordance with its terms of reference which will enter into force on 1 January 2014;

b) that some of the provisions, as amended by this conference, need to apply as of a later date;

c) that as a general rule, new and revised Resolutions and Recommendations enter into force at the time of signing of the Final Acts of a conference;

d) that as a general rule, Resolutions and Recommendations which a WRC has decided to suppress are abrogated at the time of the signing of the Final Acts of the conference,

resolves

1 that, as of 1 January 2015, the following provisions of the RR, which are suppressed by this Conference, shall be abrogated: Table 17a of Appendix **17**, Section III of Part B of Appendix **17**;

2 that, as of 1 January 2015, the following provisions, as established by this Conference, shall enter into force: Table 17b of Appendix **17**;

Reasons: The Resolution XYZ.NBDP allows for provisions in Appendix 17 to enter into force on the agreed date of 1 January, 2015.

MOD USA/AI 1.9/27

ARTICLE 59

Entry into force and provisional application of the Radio Regulations (WRC-2000)

59.XX		The other provisions of these Regulations, as revised by WRC-12, shall enter into force on 1 January 2014, with the following exceptions: (WRC-12)
59.YY	–	the revised provisions for which other effective dates of application are stipulated in Resolutions:
		XYZ.NBDP (WRC-12)

Reasons: This reference to Resolution XYZ.NBDP allows for the transition date for the entry into force of provisions in Appendix 17 and suppress other provisions.

SUP USA/AI 1.9/28

RESOLUTION 351 (Rev.WRC-07)

Review of the frequency and channel arrangements in the HF bands allocated to the maritime mobile service contained in Appendix 17 with a view to improving efficiency through the use of new digital technology by the maritime mobile service

Reasons: All of the work related to this Resolution is complete.
